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Altri autori (Persone)	Coello CoelloCarlos A Hernandez AguirreArturo ZitzlerEckart
Disciplina	658.403
Soggetti	Algorithms Numerical analysis Artificial intelligence Numerical Analysis Artificial Intelligence
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks -- The Evolution of Optimality: De Novo Programming -- Many-Objective Optimization: An Engineering Design Perspective -- Tutorial -- 1984-2004 – 20 Years of Multiobjective Metaheuristics. But What About the Solution of Combinatorial Problems with Multiple Objectives? -- Algorithm Improvements -- Omni-optimizer: A Procedure for Single and Multi-objective Optimization -- An EMO Algorithm Using the Hypervolume Measure as Selection Criterion -- The Combative Accretion Model – Multiobjective Optimisation Without Explicit Pareto Ranking -- Parallelization of Multi-objective Evolutionary Algorithms Using Clustering Algorithms -- An Efficient Multi-objective Evolutionary Algorithm: OMOEA-II -- Path Relinking in Pareto Multi-objective Genetic Algorithms -- Dynamic Archive Evolution Strategy for Multiobjective Optimization -- Searching for Robust Pareto-Optimal Solutions in Multi-objective Optimization --

Multi-objective MaxiMin Sorting Scheme -- Multiobjective Optimization on a Budget of 250 Evaluations -- Initial Population Construction for Convergence Improvement of MOEAs -- Multi-objective Go with the Winners Algorithm: A Preliminary Study -- Incorporation of Preferences -- Exploiting Comparative Studies Using Criteria: Generating Knowledge from an Analyst's Perspective -- A Multiobjective Evolutionary Algorithm for Deriving Final Ranking from a Fuzzy Outranking Relation -- Performance Analysis and Comparison -- Exploring the Performance of Stochastic Multiobjective Optimisers with the Second-Order Attainment Function -- Recombination of Similar Parents in EMO Algorithms -- A Scalable Multi-objective Test Problem Toolkit -- Extended Multi-objective fast messy Genetic Algorithm Solving Deception Problems -- Comparing Classical Generating Methods with an Evolutionary Multi-objectiveOptimization Method -- A New Analysis of the LebMeasure Algorithm for Calculating Hypervolume -- Effects of Removing Overlapping Solutions on the Performance of the NSGA-II Algorithm -- Selection, Drift, Recombination, and Mutation in Multiobjective Evolutionary Algorithms on Scalable MNK-Landscapes -- Comparison Between Lamarckian and Baldwinian Repair on Multiobjective 0/1 Knapsack Problems -- The Value of Online Adaptive Search: A Performance Comparison of NSGAII, ?-NSGAII and ?MOEA -- Uncertainty and Noise -- Fuzzy-Pareto-Dominance and its Application in Evolutionary Multi-objective Optimization -- Multi-objective Optimization of Problems with Epistemic Uncertainty -- Alternative Methods -- The Naive ID A: A Baseline Multi–objective EA -- New Ideas in Applying Scatter Search to Multiobjective Optimization -- A MOPSO Algorithm Based Exclusively on Pareto Dominance Concepts -- Clonal Selection with Immune Dominance and Anergy Based Multiobjective Optimization -- A Multi-objective Tabu Search Algorithm for Constrained Optimisation Problems -- Improving PSO-Based Multi-objective Optimization Using Crowding, Mutation and ?-Dominance -- DEMO: Differential Evolution for Multiobjective Optimization -- Applications -- Multi-objective Model Selection for Support Vector Machines -- Exploiting the Trade-off — The Benefits of Multiple Objectives in Data Clustering -- Extraction of Design Characteristics of Multiobjective Optimization – Its Application to Design of Artificial Satellite Heat Pipe -- Gray Coding in Evolutionary Multicriteria Optimization: Application in Frame Structural Optimum Design -- Multi-objective Genetic Algorithms to Create Ensemble of Classifiers -- Multi-objective Model Optimization for Inferring Gene Regulatory Networks -- High-Fidelity MultidisciplinaryDesign Optimization of Wing Shape for Regional Jet Aircraft -- Photonic Device Design Using Multiobjective Evolutionary Algorithms -- Multiple Criteria Lot-Sizing in a Foundry Using Evolutionary Algorithms -- Multiobjective Shape Optimization Using Estimation Distribution Algorithms and Correlated Information -- Evolutionary Multi-objective Environmental/Economic Dispatch: Stochastic Versus Deterministic Approaches -- A Multi-objective Approach to Integrated Risk Management -- An Approach Based on the Strength Pareto Evolutionary Algorithm 2 for Power Distribution System Planning -- Proposition of Selection Operation in a Genetic Algorithm for a Job Shop Rescheduling Problem -- A Two-Level Evolutionary Approach to Multi-criterion Optimization of Water Supply Systems -- Evolutionary Multi-objective Optimization for Simultaneous Generation of Signal-Type and Symbol-Type Representations -- A Multi-objective Memetic Algorithm for Intelligent Feature Extraction -- Solving the Aircraft Engine Maintenance Scheduling Problem Using a Multi-objective Evolutionary Algorithm -- Finding Pareto-Optimal Set by Merging Attractors for a Bi-objective Traveling Salesmen Problem --

Multiobjective EA Approach for Improved Quality of Solutions for Spanning Tree Problem -- Developments on a Multi-objective Metaheuristic (MOMH) Algorithm for Finding Interesting Sets of Classification Rules -- Preliminary Investigation of the ‘Learnable Evolution Model’ for Faster/Better Multiobjective Water Systems Design -- Particle Evolutionary Swarm for Design Reliability Optimization -- Multiobjective Water Pinch Analysis of the Cuernavaca City Water Distribution Network -- Multi-objective Vehicle Routing Problems Using Two-Fold EMO Algorithms to Enhance Solution Similarity on Non-dominated Solutions -- Multi-objectiveOptimisation of Turbomachinery Blades Using Tabu Search.